

**Notice of Allowability**

Application No.

10/801,048

Examiner

Marisol Figueroa

Applicant(s)

WUTHNOW ET AL.

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to response filed on 12/28/2006.
2. ☒ The allowed claim(s) is/are 1,3-5,7,9,10,12 and 14-19.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Lawrence D. Maxwell on 3/29/2007.

3. The application has been amended as follows:

1. (currently amended) A method for determining a location of a multi-technology wireless device operating in a foreign technology mode, said method comprising the steps of:

requesting an identity of equipment serving said multi-technology wireless device from a native technology serving equipment subscriber information database for said multi-technology wireless device;

receiving a response from said subscriber information database and determining that the subscriber information database has provided the identity of a network conversion element instead of the identity of actual serving equipment; and

~~if in response to~~ the subscriber information database ~~has provided~~ providing the identity of a network conversion element instead of the identity of actual serving equipment, ~~then~~ requesting a temporary dialable number for said multi-technology device from said network conversion element;

determining an the identity of the equipment serving said multi-technology wireless device using said temporary dialable number; and

obtaining the location of said multi-technology wireless device directly from said serving equipment.

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4. (currently amended) The method of claim 3, wherein said step of obtaining the location of said multi-technology wireless device comprises:

determining a level of accuracy desired for determining the location of the multi-technology wireless device;

determining, in response to the identity of the equipment serving said multi-technology wireless device, a request format reflecting the level of accuracy and compatible with technology of said serving equipment;

formatting a request for a geographic location of said multi-technology wireless device which provides said desired accuracy and is compatible with the technology of said serving equipment; sending said geographic location request directly to said serving equipment; and

receiving location information commensurate with said desired accuracy from said serving equipment.

5. (currently amended) A method of determining the identity of equipment serving a multi-technology wireless device operating in a foreign technology mode, said method comprising:

requesting an identity of said serving equipment from a native technology serving equipment subscriber information database for said multi-technology wireless device;

receiving a response from said subscriber information database and determining that the subscriber information database has provided the identity of a network conversion element instead of the identity of actual serving equipment; and

~~if in response to~~ the subscriber information database ~~has provided~~ providing the identity of a network conversion element instead of the identity of actual serving equipment, ~~then~~ requesting a temporary dialable number for said multi-technology device from said network conversion element;

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providing a temporary dialable number database which contains the identity of equipment associated with temporary dialable numbers; and

utilizing said temporary dialable number database to cross reference said temporary dialable number with the identity of the equipment serving said temporary dialable number.

7. (currently amended) A method of initiating location signaling to equipment serving a multi-technology wireless device operating in a foreign technology mode, said method comprising:

requesting an identity of said serving equipment from a native technology serving equipment subscriber information database for said multi-technology wireless device;

receiving a response from said subscriber information database and determining that the subscriber information database has provided the identity of a network conversion element instead of the identity of actual serving equipment; and

if in response to the subscriber information database ~~has provided~~ providing the identity of a network conversion element instead of the identity of actual serving equipment, ~~then~~ requesting a temporary dialable number for said multi-technology device from said network conversion element;

determining an identity of the equipment serving said multi-technology wireless device by utilizing said temporary dialable number;

formatting a request for a geographic location of said multi-technology wireless device compatible with the identity of said serving equipment; and

sending said geographic location request directly to said serving equipment.

9. (currently amended) The method of claim 7 wherein said formatting step comprises:

determining the level of accuracy desired for said geographic location information;

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determining, in response to the identity of the equipment serving said multi-technology wireless device, a request format reflecting the level of accuracy and compatible with technology of said serving equipment; and

formatting said geographic location request such that it provides said accuracy desired for said location information and is compatible with the technology of said serving equipment.

10. (currently amended) A method of identifying a type of technology in which a multi-technology wireless device operating in a foreign technology mode is operating, said method comprising the steps of:

requesting the identity of said serving equipment from a native technology serving equipment subscriber information database for said multi-technology wireless device;

receiving a response from said subscriber information database and determining that the subscriber information database has provided the identity of a network conversion element instead of the identity of actual serving equipment;

~~if in response to~~ the subscriber information database ~~has provided~~ providing the identity of a network conversion element instead of the identity of actual serving equipment, ~~then~~ requesting a temporary dialable number for said multi-technology device from said network conversion element;

providing a temporary dialable number database which contains the type of technology of equipment associated with temporary dialable numbers; and

utilizing said temporary dialable number database to cross reference said temporary dialable number with the type of technology of the equipment serving said temporary dialable number, which corresponds to the type of technology in which the multi-technology wireless device is operating.

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14. (currently amended) A system for determining a location of a multi-technology wireless device operating in a foreign technology environment, said system comprising:

a means for obtaining a temporary dialable number for said multi-technology wireless device comprising:

a means for requesting an identity of equipment serving said multi-technology wireless device from a native technology serving equipment subscriber information database for said multi-technology wireless device;

a means for receiving a response from said subscriber information database and determining that the subscriber information database has provided the identity of a network conversion element instead of the identity of actual serving equipment, wherein if in response to the subscriber information database ~~has provided~~ providing the identity of a network conversion element instead of the identity of actual serving equipment, ~~then~~ a temporary dialable number is requested for said multi-technology device from said network conversion element;

a means for determining an identity of equipment serving said multi-technology wireless device by utilizing said temporary dialable number; and

a means for determining the location of said multi-technology wireless device directly from said serving equipment.

16. (currently amended) A computer readable medium ~~having~~ encoded with computer executable instructions for performing a method for determining a location of a multi-technology wireless device operating in a foreign technology mode, comprising:

requesting an identity of equipment serving said multi-technology wireless device from a native technology serving equipment subscriber information database for said multi-technology wireless device;

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receiving a response from said subscriber information database and determining that the subscriber information database has provided the identity of a network conversion element instead of the identity of actual serving equipment; and

~~if in response to~~ the subscriber information database ~~has provided~~ providing the identity of a network conversion element instead of the identity of actual serving equipment, ~~then~~ requesting a temporary dialable number for said multi-technology device from said network conversion element;

determining the identity of the equipment serving said multi-technology wireless device by utilizing said temporary dialable number; and

obtaining the location of said multi-technology wireless device directly from said serving equipment.

17. (currently amended) A computer readable medium ~~having~~ encoded with computer executable instructions for performing a method of determining an identity of equipment serving a multi-technology wireless device operating in a foreign technology mode, comprising:

requesting an identity of equipment serving said multi-technology wireless device from a native technology serving equipment subscriber information database for said multi-technology wireless device;

receiving a response from said subscriber information database and determining that the subscriber information database has provided the identity of a network conversion element instead of the identity of actual serving equipment; and

~~if in response to~~ the subscriber information database ~~has provided~~ providing the identity of a network conversion element instead of the identity of actual serving equipment, ~~then~~ requesting a temporary dialable number for said multi-technology device from said network conversion element;

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providing a database which contains the identity of equipment associated with temporary dialable numbers; and

utilizing said database to cross reference said temporary dialable number with the identity of the equipment serving said temporary dialable number.

18. (currently amended) A computer readable medium ~~having~~ encoded with computer executable instructions for performing a method of initiating location signaling to equipment serving a multi-technology wireless device operating in a foreign technology mode comprising:

requesting an identity of equipment serving said multi-technology wireless device from a native technology serving equipment subscriber information database for said multi-technology wireless device;

receiving a response from said subscriber information database and determining that the subscriber information database has provided the identity of a network conversion element instead of the identity of actual serving equipment; and

~~if, in response to~~ the subscriber information database ~~has provided~~ providing the identity of a network conversion element instead of the identity of actual serving equipment, ~~then~~ requesting and receiving a temporary dialable number for said multi-technology device from said network conversion element;

determining an identity of the equipment serving said multi-technology wireless device by utilizing said temporary dialable number;

formatting a request for a geographic location of said multi-technology wireless device compatible with the identity of said serving equipment; and

sending said geographic location request directly to said serving equipment.



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19. (currently amended) A computer readable medium ~~having~~ encoded with computer executable instructions for performing a method of identifying a type of technology in which a multi-technology wireless device operating in a foreign technology mode is operating comprising:

requesting an identity of equipment serving said multi-technology wireless device from a native technology serving equipment subscriber information database for said multi-technology wireless device;

receiving a response from said subscriber information database and determining that the subscriber information database has provided the identity of a network conversion element instead of the identity of actual serving equipment; and

~~if, in response to~~ the subscriber information database ~~has provided~~ providing the identity of a network conversion element instead of the identity of actual serving equipment, ~~then~~ requesting and receiving a temporary dialable number for said multi-technology device from said network conversion element;

providing a data source which relates the type of technology of equipment associated with each temporary dialable number of a plurality of temporary dialable numbers; and

utilizing said data source to cross reference said temporary dialable number with the type of technology of the equipment serving said temporary dialable number, which corresponds to the type of technology ~~is~~ in which the multi-technology wireless device is operating.

#### ***Reasons for allowance***

4. Claims 1, 3-5, 7, 9, 10, 12, and 14-19 (*renumbered as 1-14, respectively*) are allowed.
3. The following is an examiner's statement of reasons for allowance: Applicant's arguments filed on 12/28/2006 are persuasive.

Claims 1, 5, 7, 10, 12, 14, and 16-19 are allowed because the closest prior art, Muhonen et al. (US 2005/0014500 A1), either singularly or in combination, fail to anticipate or render obvious the features of receiving a response from a native subscriber information database, and determining that the subscriber information database has provided the identity of a network conversion element or the identity of the actual serving equipment, and in response, requesting a temporary dialable number for a multi-technology wireless device and using the temporary dialable number for determining the identity of the equipment serving the multi-technology wireless device.

Claims 3, 4, 9, 15, and 16 are allowed as being dependent upon independent claims that have been allowed.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marisol Figueroa whose telephone number is (571) 272-7840. The examiner can normally be reached on Monday Thru Friday 8:30 a.m. - 5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester G. Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
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